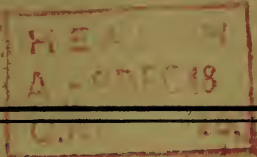


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ANNUAL REPORT

OF THE

Medical Officer of Health

OF THE

GRIMSBY

RURAL DISTRICT COUNCIL

FOR THE YEAR 1947

BY

C. F. LYNCH,

M.B., B.Ch., B.A.O., D.P.H.,

MEDICAL OFFICER OF HEALTH.



Grimsby :

RICHARDSONS & COPPIN, LTD., Printers, 87a to 103a Victoria Street.

Grimsby Rural District Council.

Offices :—DEANS GATE, GRIMSBY.

Tel. :—Grimsby 5371.

Port Sanitary Office :—IMMINGHAM DOCKS.

Tel :—Immingham 218 and 206.

CHAIRMAN OF COUNCIL :—

GEORGE TICKLER, Esq., J.P.

CHAIRMAN OF HEALTH COMMITTEE :—

H. WRIGHT, Esq.

CLERK TO THE COUNCIL :—

P. E. HOPPS, Esq.

MEDICAL OFFICER OF HEALTH :—

DR. C. F. LYNCH.

ASSISTANT PORT MEDICAL OFFICER :—

DR. S. BEDFORD.

SANITARY INSPECTOR :—

MR. C. KING, C.R.S.I.

PORT SANITARY INSPECTOR FOR THE PORT OF IMMINGHAM :—

MR. W. A. CUNDY, C.R.S.I.

Grimsby Rural District Council.

REPORT OF THE MEDICAL OFFICER OF HEALTH.

TO THE CHAIRMAN AND MEMBERS OF THE
GRIMSBY RURAL DISTRICT COUNCIL.

LADIES AND GENTLEMEN,

I have the honour to present my Annual Report on the Health and Sanitary Conditions of the Grimsby Rural District for the year 1947.

The birth rate was 23.6 per thousand of the population, and shows an increase of 2.6 on the rate for 1946. The rate for England and Wales was 20.5.

The death rate per thousand of the population was 12.1 which is a decrease of 0.7 on the figure for the previous year. The corresponding rate for England and Wales was 12.0. Heart disease was again the principal cause of death in the Rural District but deaths from Cancer showed a decrease during the year.

The infant mortality rate was 50.0 per thousand live births, being 25.7 higher than in 1946. There were no maternal deaths during the year.

The incidence of infectious disease showed a slight increase generally.

There were no cases of Small Pox, though this disease occurred outside the area.

I have to thank the Chairman and Members of the Council and the Clerk for their support during the year and my Sanitary Inspectors for their assistance in compiling this Report.

I have the honour to be,

Ladies and Gentlemen,

Your obedient Servant,

C. F. LYNCH,

Medical Officer of Health.

SECTION "A." Vital Statistics.

	Male.	Female.	Total.	
Live Births—Legitimate ...	127	131	258	} Birth Rate per 1,000 of estimated resident population 23.6
Illegitimate ...	9	13	22	
	Male.	Female.	Total.	
Still Births—Legitimate ...	2	2	4	} Rate per 1,000 Live and Still Births 17.5]
Illegitimate ...	1	—	1	
Deaths ...	83	61	144	
Death Rate per 1,000 of the estimated resident Population ... 12.1				

Deaths from Puerperal causes (Headings 29 and 30 of The Registrar General's Short List).

	Deaths.	Rate per 1,000 Total Live and Still Births.
No. 29 Puerperal Sepsis ...	—	—
No. 30 Other Maternal Causes ...	—	—

INFANT MORTALITY. Deaths of Infants under 1 year—

	Male.	Female.	Total.	
Legitimate ...	14	—	14	
Illegitimate ...	—	—	—	
All Infants per 1,000 Live Births ...				50.0
Legitimate Infants per 1,000 Legitimate Live Births ...				54.2
Illegitimate Infants per 1,000 Illegitimate Live Births ...				—
Deaths from Whooping Cough (all ages) ...				1
Deaths from Measles (all ages) ...				—
Deaths from Diarrhoea (under 2 years of age) ...				1
Deaths from Cancer (all ages) ...				19

NOTIFIABLE DISEASES. Notifications, 1947.

Smallpox ...	—
Scarlet Fever ...	27
Enteric Fever ...	1
Puerperal Pyrexia ...	1
Frysipelas ...	1
Pneumonia ...	4
Ophthalmia Neonatorum ...	—
Chicken Pox ...	41
Whooping Cough ...	18
Measles ...	31
Cerebro-Spinal Meningitis ...	—
Dysentery ...	1
Ant. Poliomyelitis ...	5
(Infantile Paralysis)	
Encephalitis Lethargica ...	1
Malaria ...	1

CAUSES OF DEATH IN THE GRIMSBY RURAL DISTRICT. 1947.

	Male.	Female.	Total.
Typhoid and Paratyphoid Fevers ...	—	—	—
Cerebro Spinal Fever ...	—	—	—
Scarlet Fever ...	—	—	—
Whooping Cough ...	1	—	1
Diphtheria ...	—	—	—
Tuberculosis of Respiratory system ...	4	2	6
Other forms of Tuberculosis ...	—	1	1
Syphilitic Diseases ...	—	—	—
Influenza ...	1	3	4
Measles ...	—	—	—
Acute Poliomyelitis and Polio encephalitis ...	1	—	1
Acute Infectious—Encephalitis ...	—	1	1
Cancer—Malignant Disease ...	9	10	19
Diabetes ...	1	—	1
Cerebral Vascular Lesions ...	9	9	18
Heart Disease ...	24	13	37
Other Disease of Circulatory System ...	2	5	7
Bronchitis ...	4	1	5
Pneumonia ...	3	3	6
Other Respiratory Diseases ...	—	—	—
Ulcer of Stomach or Duodenum ...	—	—	—
Diarrhoea (under 2 years) ...	1	—	1
Appendicitis ...	—	—	—
Other Digestive Diseases ...	1	2	3
Nephritis ...	2	3	5
Puerperal and Post-Abortion Sepsis ...	—	—	—
Other Maternal Causes ...	—	—	—
Congenital Debility, Premature Births, Malformations, etc. ...	7	—	7
Suicide ...	1	1	2
Road Traffic Accidents ...	—	—	—
Other Violence ...	6	1	7
All other causes ...	6	6	12
Totals ...	83	61	144

TUBERCULOSIS. Notifications and Deaths during 1947.

New Cases.

Deaths.

Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
3	2	2	3	4	2	—	1
10				7			

SECTION "B."

(d) The Lindsey County Council, from the Clinic, St. Hugh's Avenue, Cleethorpes, provide the following Specialist and Consultant Services:

<i>Clinic.</i>	<i>Day.</i>	<i>Hour</i>
Tuberculosis	Friday	2-0 p.m.
School	Wednesday	9-30 a.m.
School Nurse attends for Treatments	Monday, Wednesday and Thursday	9-30 a.m.
	Tuesday and Friday ...	2-0 p.m.
Eye	Friday (by appointment)	10-0 a.m.
Infant Welfare	Monday and Thursday	2-0 p.m.
Toddler's Clinic	Monday	9-30 a.m.
Ante Natal	Tuesday	9-30 a.m.
Special Treatment (Female)	Thursday	10-30 a.m.
Orthopaedic	3rd Tuesday (by appoint- ment)	2-30 p.m.
Massage	Monday and Thursday	10-0 a.m.
U.V.R.	Monday and Thursday	9-30 a.m.
Dental	Daily	9-30 a.m.
Rheumatism and Heart ...	monthly by appointment	2-0 p.m.

Diphtheria Immunization Sessions held at Schools and Infant Welfare and Toddlers Clinics on the appropriate days.

Additional Clinics are held at the following places :—

Immingham—Parish Mission, Pelham Road.

School and Infant Welfare 2nd and 4th Mondays in
the month 2-0 p.m.

Laceby, Wesleyan Sunday School.

Infant Welfare 3rd Wednesday in the
month 2-30 p.m.

Waltham—Church Hall, New Waltham.

Infant Welfare 2nd Wednesday in the
month 2-0 p.m.

By arrangement with the County Borough of Grimsby facilities for the diagnosis and treatment of Venereal Disease are available at the V.D. Clinic, 38, Queen Street, Grimsby.

SECTION "C."**SANITARY CIRCUMSTANCES IN THE AREA.****WATER SUPPLY.**

This is (1) by constant supply from the Grimsby, Cleethorpes and District Water Board's joint undertaking and is satisfactory in quality and quantity. Samples are taken monthly by the Water Board and the results supplied to the Medical Officer of Health. (2) from deep bore wells in other cases not on the public supply.

In several of these cases contamination has rendered the water permanently unfit for drinking and extension of the piped supply to a number of villages is urgently required.

Wells	...	...	New Sunk	...	...	...	Nil
			Cleansed, repaired	...	...	...	Nil
			Closed as polluted	...	...	...	2
Public Supply			Area supplied—Great Coates, Healing, Immingham, Laceby, Irby, Bradley, Brigsley and Waltham				...
			Percentage of houses supplied				85%
			New Cisterns provided				3
			Cisterns cleansed, repaired, covered, etc.				26
			Number of Samples obtained for analysis—				
			(a)	From Wells	...	...	15
			(b)	From Public supply	...	...	6

DRAINS.

Drains, examined, tested, exposed, etc.	...	...	12
„ unstopped, repaired, trapped, etc.	...	...	19
Waste pipes, rain water pipes, disconnected, repaired, etc.	47		
New soil pipes or ventilating shafts fixed	...	...	6
Existing soil pipes or ventilating shafts repaired	...	...	12
Drains reconstructed	...	...	5

OFFENSIVE TRADES.

Number of premises in district	...	...	...	13
Number of inspections	...	...	...	97
Contravention of bye-laws	...	...	...	4
Contraventions remedied	...	...	...	4

Offensive Trade bye-laws are in force.

SECTION “D.”

REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authorities or their Officers, 367.

Number of houses taken over by Local Authority and rendered fit for habitation ... Nil

HOUSING ACT, 1936—PART IV.—OVERCROWDING.

Uncontrollable overcrowding in all parts of district.

TOTAL NUMBER OF NEW HOUSES ERECTED DURING THE YEAR.

(1) By the local Authority	...	...	Perm. 10	Prefab. 30
(2) By other Authorities	...	...	...	Nil
(3) By other bodies or persons	...	...	...	Perm. 8
Families on Camp Sites	...	...	...	48

NUISANCES.

Total number of nuisances during the year	...	...	...	215
(1) Abated as result of informal action by Sanitary Inspector	...	...	...	210
(2) Reported to Council—Statutory Notice issued	...	...	...	5
Statutory Notice not issued	...	...	...	—

DETAILS OF NUISANCES ABATED.

	After Informal Action.	After Statutory Notice.
Overcrowding	7	—
Smoke	—	—
Accumulation of Refuse	18	—
Foul Ditches, Ponds, and Stagnant Water	42	—
Foul Pigs and other Animals	6	—
Dampness	85	—
Yards repaved and repaired	57	16
Other nuisances	—	—

SECTION "E."**INSPECTION AND SUPERVISION OF FOOD.****(a) MILK SUPPLY.****Cowstables.**

Number on Register	...	...	...	...	...	88
Number of Inspections	...	...	...	...	...	970
Contraventions of Regulations	...	...	...	...	...	12
Contraventions remedied	...	...	...	...	...	12
Number of Milch Cows in district	...	...	...	...	Approx.	1,500
Veterinary Inspection by County Council	...	...	...	...	Quarterly.	

MILK (SPECIAL DESIGNATIONS) ORDER, 1936.

Number of Accredited Premises	...	...	...	...	34
Number of Accredited Producers	...	...	...	...	33
Number of T.T. Premises	...	...	...	...	2
Number of T.T. Producers	...	...	...	...	2
Any instance of Disease attributed to milk during the year	...	...	...	...	No

16 samples of Accredited Milks were taken by the County Council and submitted for examination during the year. Out of these, 1 failed to pass the prescribed tests. Special visits were made in these cases and appropriate corrective measures taken where indicated. 33 samples Pasteurised milk were taken and submitted to the prescribed tests. All proved satisfactory.

The sale of Food and Drugs Act, and Milk and Cream Regulations are administered by the County Council.

(b) MEAT AND OTHER FOODS.

Slaughterhouses—Horse Slaughtering for human food	...	...	...	...	1
Horses slaughtered	...	...	...	...	111

Bakehouses.

Number in District	...	...	...	...	...	4
Number of underground bakehouses	...	...	...	...	...	Nil
Number of inspections	...	...	...	...	...	150
Contraventions of Factory Acts	...	...	...	...	...	6
Defects remedied	...	...	...	...	...	6

All bakehouses are lime-washed, etc., twice a year.

These are, generally speaking, very satisfactory.

Articles of Food condemned as unfit for Human consumption.

22½ cwt. Maize Corn Flour.	25. lbs sugar (fouled).	
26 tins Evaporated Milk.	33½ lbs. Bacon.	10 Horse Livers.

SECTION "F."**DISINFECTION AND DISINFESTATION.**

Rooms disinfected	...	...	...	...	...	47
(a) Ordinary Infectious Disease	...	...	...	...	...	46
(b) Tuberculosis	...	...	...	...	...	1
Rooms stripped and cleansed	...	...	...	...	...	5
Articles disinfected or destroyed	...	...	...	...	(lots)	53
(a) Ordinary Infectious Disease	...	...	...	...	...	52
(b) Tuberculosis	...	...	...	...	...	1

Table showing the number of Infectious Diseases notified in each Parish

PARISH.	Scarlet Fever.	Diphtheria.	Erysipelas.	Pneumonia.	Poliomyelitis	Polio-encephalitis	Encaphalitis Lethargica	Pueperal Pyrexia	Dysentery.	Malaria	Measles.	Chicken Pox.	Whooping Cough.	TOTALS.
Aylesby	4	—	—	—	—	—	—	—	—	—	—	—	—	4
Barnolby	1	—	—	—	—	—	—	—	—	—	—	—	—	1
Bradley	—	—	—	—	—	—	—	—	—	—	1	—	—	4
Brigsley	—	—	—	—	—	—	—	—	—	—	1	—	—	1
Beelsby	—	—	—	—	—	—	—	—	—	—	1	—	1	2
Great Coates	—	—	—	1	—	—	—	—	—	—	2	1	—	4
Habrough	—	—	1	1	—	—	—	—	—	—	—	10	—	12
Healing	3	—	—	1	—	—	—	—	—	—	5	2	1	12
Humberston	2	1	—	1	2	—	—	—	—	1	3	1	12	23
Immingham	5	—	—	—	2	—	—	—	—	—	3	7	—	18
Irby	—	—	—	—	—	—	—	—	—	—	—	5	—	5
Laceby	7	—	—	—	—	1	—	1	—	—	1	6	—	16
Ravendale	—	—	—	—	—	—	—	—	—	—	1	—	3	4
Stallingborough	2	—	—	—	—	—	1	—	—	—	—	3	—	6
Waltham	3	—	—	—	—	—	—	—	—	—	13	3	1	20
Totals	27	1	1	4	4	1	1	1	1	1	31	41	18	132

NOTIFIABLE DISEASES DURING YEAR 1947 ACCORDING TO AGES.

DISEASE.	Under 1 year.	1-2 years.	2-3 "	3-4 "	4-5 "	5-10 "	10-15 "	15-20 "	20-25 "	25-45 "	45-65 "	Over 65 years.	Totals
Scarlet Fever	..	2	2	1	2	13	1	3		3			27
Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..	1
Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	1
Pneumonia	..	1	..	..	..	..	..	..	..	1	1	1	4
Poli-myelitis	..	..	..	..	1	2	..	..	1	1	..	..	4
Poli-encephalitis	..	..	..	..	..	..	..	..	..	..	..	..	1
Encephalitis Lethargica	..	..	..	..	..	..	..	..	..	..	..	..	1
Puerperal Pyrexie	..	..	..	..	..	..	..	1	..	1	..	..	1
Dysentery	..	..	..	..	..	..	..	..	..	..	..	..	1
Malaria	..	3	..	..	..	..	..	..	..	1	..	..	1
Measles	..	4	2	3	2	14	1	2	..	3	..	..	31
Chicken Pox	..	4	1	2	5	21	4	..	1	..	..	..	41
Whooping Cough	..	1	1	5	1	5	..	..	..	..	..	..	18
Totals	9	11	6	11	11	55	6	9	3	10	2	2	132

DIPHTHERIA IMMUNISATION.

Immunisation of the child population was continued throughout the year. The Prophylactic used was Alum Precipitated Toxoid (A.P.T.) with 4 weeks interval between doses.

The co-operation of parents, teachers and general medical practitioners was sought and special immunisation sessions were held at schools and welfare centres.

During the year a total of 231 children completed a primary course of injections. In age groups the numbers are as follows:—

Under 5 years	...	...	155
5 to 15 years	...	...	76

In addition 110 school children previously immunised received a single re-inforcing injection.

Total number of persons in age groups, known to have received a complete course of injections.

Age.	1940	1941	1942	1943	1944	1945	1946	1947
Under 1 year	—	7	18	12	5	19	22	12
1 year ...	—	28	62	84	99	117	151	103
2 years ...	—	23	52	35	22	15	41	18
3 „ ...	—	39	46	31	15	4	8	10
4 „ ...	—	63	65	44	10	7	3	12
5 „ ...	—	87	72	38	12	6	17	20
6 „ ...	—	93	36	24	14	11	6	18
7 „ ...	—	71	26	23	7	10	2	8
8 „ ...	—	78	27	21	4	3	6	6
9 „ ...	1	63	28	35	2	1	1	10
10 „ ...	10	70	26	35	5	7	6	6
11 „ ...	30	77	13	65	3	1	1	6
12 „ ...	42	46	10	55	9	2	—	1
13 „ ...	20	23	12	71	1	—	—	1
14 „ ...	2	7	—	20	1	—	—	—
15 years and over	—	4	4	17	2	—	—	...
Totals—1940–47	105	779	497	610	211	203	264	231

ANNUAL REPORT OF MEDICAL OFFICER OF HEALTH FOR 1947.

PORT OF IMMINGHAM. 1947. ALSO KILLINGHOLME JETTY AND WHITE BOOTH ROADS. (River Humber).
1—AMOUNT OF SHIPPING ENTERING THE PORT DURING THE YEAR 1947.

TABLE A.

FOREIGN	Number	Tonnage.	Number by Medical Officer.	Inspected by Sanitary Inspector.	Number reported to be Defective.	Number of Vessels on which defects were found and reported to Ministry of Transport Surveyors	Number of Vessels reported as having or having had during the voyage to Infectious Disease on board.
Foreign	534	749,774	38	534	124	Nil	3
	40	99,279	15	40	4	Nil	Nil
	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total Foreign	574	849,053	53	574	128	Nil	3
Coastwise	388	447,932	27	388	33	Nil	Nil
	69	71,592	9	69	6	Nil	Nil
	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	824	97,062	Nil	45	Nil	Nil	Nil
Total Coastwise	1,281	616,586	36	502	39	Nil	Nil
Total Foreign and Coastwise	1,855	1,465,639	89	1,076	167	Nil	3

11.—CHARACTER OF TRADE OF PORT.

TABLE B.

(a) Passenger Traffic during the Year.

No. of Passengers.		1st Class.	2nd Class.	3rd Class.	Transmigrants.
Inwards		179	Nil	Nil	Nil
Outwards		140	Nil	Nil	Nil

(b) Cargo Traffic.

Principal Imports	... Iron Ore, Timber, Pit Props, Grain.	Total tonnage imported	... 712,426 tons.
Exports	... Coal and Coke—536,431 tons. General—88,547 tons.		

(c) Foreign Ports from which Vessels arrive.

Norway, Sweden, Baltic Ports, Denmark, Germany, Holland, Belgium, France, Spain, Portugal, North African Ports, West African Ports, Canada, U.S.A., Iceland, South America, etc.

MEDICAL INSPECTION OF ALIENS.
Annual return by the Medical Inspector of Aliens for the year ended 31st December, 1947.

	Total	Number Inspected by the Medical Inspector.	Number Subjected to detailed Examination by the Medical Inspector	Certificates Issued.					Transmi-grants.
				Lunatic Idiot or M.D.	Undesir-able for Medical reasons.	Physically Incapa-citated.	Suffering from acute Infectious Disease.	Landing necessary for adequate medical examina-tion.	
(a) Total number of Aliens landing at the Port ...	113	101	4	Nil	Nil	Nil	Nil	Nil	Nil
(b) Aliens refused permission to land by Immigration Officer, including stowaways	5	1	Nil	Nil	Nil	Nil	Nil	Nil	Nil
(c) Transmigrants	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total Aliens arriving at the Port	118	102	4	Nil	Nil	Nil	Nil	Nil	Nil

MEDICAL INSPECTIONS OF ALIENS—(Continued).

total number of vessels carrying alien passengers	...	38
Number of vessels dealt with by the Medical Inspector	...	26

III.—WATER SUPPLY.

- 1—Source of supply—
 - (a) the Port : Two deep Bores.
 - (b) shipping : Piped to all Quays.
- 2—Hydrants and Hosespipes,—What precautions are taken against contamination—Regular inspection, flushing and washing before use.
- 3—Number of Water Boats and their Sanitary condition—Two Tugs with special water tanks, these tanks are cleansed and limewashed every six months.

IV. PORT HEALTH REGULATIONS, 1933 and 1945.

- 1—Arrangements for dealing with Declarations of Health—Collected by Customs Officer or Port Health Officer, whoever boards vessel first.
- 2—Boarding of vessels on arrival—Inward vessels at Jetties or Locks, in River by Tug from Jetties.
- 3—Notification to the Authority of inward vessels requiring special attention (wireless messages, land signal stations, information from Pilots, Customs Officers, etc.).—By radio direct to Humber Radio Station thence telephone to Port Health Office, by Customs Boarding Officer by telephone.
- 4—Mooring Stations designated under Article 10—
 - (a) within the Docks, Timber Pond arm, 300 ft. Quay, or No. 3 Quay extension.
 - (b) Eastern or Western Jetties according to tide.
- 5—Particulars of any standing exemptions from the provisions of Article 14—None.
- 6—Experience of working of Article 16—Satisfactory, complete Crew Lists, with addresses obtained.

PORT HEALTH REGULATIONS—(Continued).

7—What, if any, arrangements have been made for—

- (a) Premises and waiting rooms for medical examination—
None. Suitable premises have been applied for from Dock Company.
- (b) Cleansing and disinfection of ships, persons and clothing and other articles—
Infected rooms, berths, etc., on board, treated with Formaldehyde, spraying or fumigation, H.C.N., or S.O.₂, used if necessary. Delousing, etc., of infected persons carried out at Scartho Institution. Infected bedding, clothing and other articles treated at Disinfectant on Dock estate, either by steam or Formaldehyde.
- (c) Premises for the temporary accommodation of persons for whom such accommodation is required for the purposes of the Regulations—
None available yet.
- (d) Hospital accommodation available for Plague, Cholera, Yellow Fever, Small Pox and other infectious diseases—
Isolation Hospital, Immingham, Scarthoe Isolati on Hospital, C.B. Grimsby.
- (e) Ambulance transport—
(Horse drawn Ambulance available), Grimsby Hospital Ambulance.
- (f) Supervision of contacts, surveillance.

8—Arrangements for bacteriological or pathological examination of rats for plague—
Specimens sent to Grimsby and District Hospital.

9—Arrangements for other bacteriological or pathological examinations—
Medical Officer's Dept., Cleethorpes.

10—Information as to the location, days and hours of the available facilities for the diagnosis and treatment of venereal disease among merchant seamen under international arrangements, including in-patients treatment, also as to the steps taken to make these facilities known to seamen—Special V.D. leaflets left on board on vessels arrival. V.D. clinic facilities—
Grimsby C.B.

11—Arrangements for the interment of dead—
In conjunction with Grimsby Borough Cemetery Dept.

12—Other matters if any requiring or receiving attention—
None.

TABLE C.
Cases of Infectious Sickness landed from Vessels.
No. of Cases during the year.

Disease.	Passengers.	Crew.	No. of Vessels concerned.	Average No. of cases for previous 5 years.
Mumps	1	Nil	1	0.2
Tonsillitis	Nil	1	1	0.2

TABLE D.
Cases of Infectious Sickness occurring on Vessels during the voyage but disposed of prior to arrival.
No. of Cases during the year.

Disease.	Passengers.	Crew.	No. of Vessels concerned.	Average No. of cases for previous 5 years.
None	Nil	Nil	Nil	Nil

V. MEASURES AGAINST RODENTS.

1—Steps taken for detection of rodent plague—

- (a) In ships in the Port, routine inspection of all compartments, including holds, bunkers, etc., during vessels stay in port, laboratory examination of any rats caught or found dead.
- (b) On quays, wharves, warehouses, and in the vicinity of the port. Regular inspection of all quays, wharves, warehouses, prompt disposal of all refuse, examination of any dead rats reported or found, special investigation where excessive mortality among rats is reported or found.

2—Measures taken to prevent the passage of rats between ships and the shore. Standard ratguards on all moorings, gangways well lighted during hours of darkness, and hauled well above quay level, instructions to officer in charge of ship.

3—Method of deratization of (a)—Ships. Fumigation with H.C.N. liquid or crystal form, and S.O.2; (b)—Premises in the vicinity of docks or quays. Fumigation if practicable, trapping and cats.

4—Measures taken for the detection of rat prevalence in ships and on shore; Regular inspection by Port Health Officer, observation of rat runs, damage to goods, etc.

5—Rat-proofing

- (a) To what extent are docks, wharves, warehouses, etc., rat-proof. Dock sheds are single storey, with concrete flooring and all metal fittings, very little ratharbourage exists. Necessary rat-proofing carried out where found necessary.
- (b) Action taken to extend rat-proofing (1) in ships, instructions to Masters or Officers in charge, re-wiring of storerooms, gratings, etc., tinning of wooden bulkheads and beam openings. (2) on shore, collaboration with Dock Authorities. Advice given where necessary.

TABLE G.

Measures of rat destruction on Plague 'Infected' or 'Suspected' Vessels or Vessels from Plague infected Ports arriving in the Port during the year.

Total number of such vessels arriving.	Number of such vessels fumigated by S.O.2.	Number of Rats killed.	Number of such vessels fumigated by H.C.N.	Number of rats killed.	Number of such vessels on which trapping, poisoning, etc., were employed.	Number of rats killed.	Number of such vessels on which measures of rat destruction were not carried out.
1	2	3	4	5	6	7	8
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

TABLE H.
Deratization Certificates and Deratization Exemption Certificates issued during the year.
Number of Deratization Certificates issued.

Net Tonnage.	No. of Ships.	After Fumigation with			After Trapping, Poisoning, etc.	Total	No. of Deratization Exemption Certificates Issued.	Total Certificates Issued.
		H.C.N.	Sulphur.	H.C.N. Sulphur				
1	2	3	4	5	6	7	8	9
Ships up to 300 tons ...	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
„ from 301 to 1,000 tons ...	19	Nil	Nil	Nil	Nil	Nil	19	19
„ „ from 1,001 to 3,000 tons ...	23	Nil	Nil	Nil	Nil	Nil	23	23
„ „ from 3,001 to 10,000 tons ...	20	3	Nil	Nil	Nil	3	17	20
„ „ over 10,000 tons ...	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Totals ...	62	3	Nil	Nil	Nil	3	59	62

VI. Hygiene of Crews' Spaces.

TABLE J.
Classification of Nuisances.

Nationality of Vessel.	Number inspected during the year.	Defects of original construction.	Structural defects through wear and tear.	Dirt, vermin and other conditions prejudicial to health.
British	463	4	51	60
Other Nations	613	1	38	44

VII. Food Inspection.

- 1—Action taken under the Public Health (Imported Food) Regulations, 1937, the Public Health (Imported Milk) Regulations 1926, and the Public Health (Preservatives, etc., in Food) Regulations, 1925 to 1940. *None.*
- 2—Shell-fish. Information respecting any shell-fish beds or laying within the jurisdiction of the P.S.A., stating whether they are in the opinion of the Medical Officer liable to pollution. Report of any action taken under the Public Health (Shell fish) Regulations, 1934, or the Food and Drugs Act, 1938. *None.*
- 3—Number of Samples of Food examined by—(a) Bacteriologist. Nature of Sample. Result of Examination. *None.*
 (b) Analyst. " " " " *None.*

C. F. LYNCH,

Medical Officer of Health.

